



IPG Photonics Announces New Lines of Revolutionary Green Fiber Lasers

IPG Photonics Announces New Lines of Revolutionary Green Fiber Lasers

Fiber Laser Leader to Enter Additional Markets and Applications with New Pulsed and CW Green Lasers

OXFORD, Mass., Jan 23, 2009 (BUSINESS WIRE) -- First graph, first sentence should read: ...two new families of fiber lasers in the green spectrum range... (sted: green UV spectrum range)

The corrected release reads:

IPG PHOTONICS ANNOUNCES NEW LINES OF REVOLUTIONARY GREEN FIBER LASERS

Fiber Laser Leader to Enter Additional Markets and Applications with New Pulsed and CW Green Lasers

IPG Photonics (NASDAQ: IPGP), the world leader in high-power fiber lasers and amplifiers, announced today that it has developed two new families of fiber lasers in the green spectrum range that will allow the Company to enter new markets and applications. At output wavelengths of 532 nm, the new pulsed 10W green fiber laser and continuous wave (CW) 15W green fiber laser provide the high single-mode beam quality, ease of use and high reliability that IPG's fiber lasers are known to deliver at lower prices than competitive green lasers.

IPG's green pulsed fiber lasers provide a high peak power with scalable average output power up to 10W, pulse duration of 1 ns only and frequency of 50 to 600 kHz. The novel fiber laser is much more efficient and compact than conventional lasers now on the market, and is ideal for applications in the solar/photovoltaic arena, resistor trimming and marking of transparent materials. Featuring M^2 of less than 1.2, the new green pulsed laser includes a collimator, and narrow line width at 532 nm. Higher output powers are planned.

The second green fiber laser introduced today is a single frequency and low noise CW green fiber laser that features output power greater than 15W, M^2 of less than 1.1, and a line width near 2 MHz at 532 nm. In a compact, rugged design, the CW green fiber laser is well suited for Ti-sapphire pumping, entertainment and various other applications where the highest coherency and stability of visible laser emission are required.

"The two new green fiber families extend the tradition of innovations for which IPG's fiber lasers are well known, including record wall-plug electrical efficiency, high beam quality, high reliability, low maintenance, ruggedness, compactness, low weight, and very essential economic advantages," said Dr. Valentin Gapontsev, CEO of IPG Photonics Corporation. "Our newest lasers are a direct result of combining our advanced fiber laser platform with the latest state-of-the-art technologies of seed sources and nonlinear converters. IPG also is working to develop similar fiber laser sources with other emission wavelengths in the red, orange, blue and UV spectrum ranges."

The green CW laser will be unveiled at the BiOS (Booth # 8226) and Photonics West (Booth # 1419) shows in San Jose, CA the week of January 25, 2009. IPG is ramping up production of the new green lasers and volume production units are expected to be available in the second quarter of 2009. IPG has been working with key customers on specific applications.

About IPG Photonics Corporation

IPG Photonics is the world leader in high-power fiber lasers and amplifiers. Founded in 1990, IPG pioneered the development and commercialization of optical fiber-based lasers for use in a wide range of applications such as materials processing, advanced, telecommunications and medical ones. Fiber lasers have revolutionized the industry by delivering superior performance, reliability and usability at a lower total cost of ownership compared with conventional lasers, allowing end users to increase productivity and decrease operating costs. IPG has its headquarters in Oxford, Massachusetts, and has additional plants and offices throughout the world. For more information, please visit www.ipgphotonics.com.

Safe Harbor Statement

Information and statements provided by the Company and its employees, including statements in this press release, that relate to future plans, events or performance are forward-looking statements. These statements involve risks and uncertainties. Any statements in this press release that are not statements of historical fact are forward-looking statements, including, but not limited to, those relating to the potential market acceptance of the Company's new green fiber lasers, the opening of new markets and applications for the green fiber lasers, the expected start of volume production of the new green fiber lasers, development of fiber lasers in the red, orange, blue and UV spectrum ranges. Factors that could cause actual results to differ materially include risks and uncertainties, including risks associated with the Company's ability to penetrate new applications for fiber lasers and increase market share, the rate of acceptance and penetration of IPG's products, effective management of

growth, level of fixed costs from its vertical integration, intellectual property infringement claims and litigation, interruption in supply of key components, contract cancellations, manufacturing risks, competitive factors including declining average selling prices, building and expanding field service and support operations, uncertainties pertaining to customer orders, demand for products and services, development of markets for the Company's products and services and other risks identified in the Company's SEC filings. Readers are encouraged to refer to the risk factors described in the Company's Annual Report on Form 10-K (filed with the SEC on March 13, 2008) and its periodic reports filed with the SEC, as applicable. Actual results, events and performance may differ materially. Readers are cautioned not to rely on the forward-looking statements, which speak only as of the date hereof. The Company undertakes no obligation to update the forward-looking statements that may be made to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events.

SOURCE: IPG Photonics

IPG Photonics Corporation
Bill Shiner, 508-373-1100
Vice President Industrial
bshiner@ipgphotonics.com

Copyright Business Wire 2009